

10576083 search  
SEMITRAILER TRAIN WITH SIGNAL TRANSFORMER COIL

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Subject Search; non patent literature; abstracts/bibliographic

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Set	Items	Description
S1	2	S RYDEX
S2	2	RD (unique items)
S3	607847	S (TRANSMUT? OR CONVERT??? OR TRANSFIGUR??? OR TRANSFER OR TRANSFERRING OR CONTROL OR CONTROLLING) (3N) (DATA OR INFORMATION OR SIGNAL OR INFO)
S4	2841259	S PLATE? ? OR COILSPRING? ? OR COIL??? OR SPRING? ? OR SWITCH?? OR RELAY? ? OR (SEND??? OR SENT) (3N) (SIGNAL OR MESSAGE) OR DEMODULATOR OR CARRIER() SIGNAL OR ACTUATOR?
S5	2809	S (FIFTHWHEEL OR SEMI OR SEMI()) TRAILER OR (TOW??? OR TRAILER? ? OR TRACTOR OR TRUCK OR LORRY? ? OR LORRIES OR TRANSPORTATION OR CARAVAN OR TRAIN)) () (HITCH? ? OR ASSEMBLY? ? OR ASSEMBLIES OR HOOK() UP OR HOOKUP? ? OR BAR? ? OR RECEPTACLE? ? OR SLOT? ? OR COUPLER OR COUPLING OR PIN OR BOLT OR KINGPIN OR HEADPIN)
S6	38294	S S3 AND S4
S7	5	S S6 AND S5
S8	4	S S7 NOT PY>2004
S9	4	RD (unique items)
S10	14	S S3(S) S5
S11	11	S S10 NOT S9
S12	9	RD (unique items)
S13	288	S S4(S) S5
S14	5	S S13 AND (ANTEN? OR TRANSFER?)
S15	5	RD (unique items)
S16	5	S S15 NOT S12

; show files

[File 2] INSPEC 1898-2008/Sep W1

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[File 6] NTIS 1964-2008/Oct W2

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[File 8] Ei Compendex(R) 1884-2008/Sep W3

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[File 14] Mechanical and Transport Engineer Abstract 1966-2008/Sep

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2/3,K/1 (Item 1 from file: 2) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)  
INSPEC

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10043336

Title: The best of both worlds [investment strategy]

Author Guerra, A.

Journal: Wall Street & Technology vol.24, no.6 p. 19-20

Publisher: CMP Media Inc ,

Publication Date: June 2006 Country of Publication: USA

CODEN: WSTEE5 ISSN: 1060-989X

SICI: 1060-989X(200606)24:6L:19:BBWI;1-5

Material Identity Number: P708-2006-006

Language: English

Subfile: D

Copyright 2006, The Institution of Engineering and Technology

Abstract: ...hedge fund investment strategies in one investment vehicle. To meet the demand, firms such as Rydex Investments have launched mutual funds with hedge fund characteristics. The right technology tools, according to ...

Identifiers: ...Rydex Investments

Astronomical Objects:

2/3,K/2 (Item 1 from file: 95) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

TEME-Technology & Management

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01016254 M96069109601

Satcoms: cutting costs

( Satellitenkommunikation: Kosten senken )

Lanz, R

Motor Ship, v75, n905, pp21-25 , 1995

Document type: journal article Language: English

Record type: Abstract

ISSN: 0027-2000

Abstract:

Konzept eines privaten Kommunikationsnetzes fuer die Kommunikation zwischen Kueste und Schiffen, entwickelt von Rydex Industries, Vancouver, Kanada unter der Bezeichnung Rydex SSCN. Dieses System dient der Uebertragung von Daten und Texten ueber Satelliten (Inmarsat A) mit...

...Netz betreiben wollen und an Firmen, die in einem Konsortium mit einem eigenen System arbeiten.

Rydex bietet ein oeffentliches System, das ueber jede Kuestenstation zuganglich ist, die mit oeffentlichen Netzen in Verbindung steht. Das Rydex-Netzsystem wirdkonzeptionell erlautert und seine Vorteile werden herausgestellt. Die Anwendung dieses System fuehrt zu wesentlichen...

9/3,K/1 (Item 1 from file: 6) [Links](#)

Fulltext available through: [Check for PDF Download Availability and Purchase](#)

NTIS

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0912242 NTIS Accession Number: PB81-970071/XAB

Extra-Safe Tractor-Trailer Coupling: A built-in safety mechanism prevents trailer uncoupling in case of kingpin failure

( NTIS Tech Note )

National Aeronautics and Space Administration, Washington, DC.

Jul 81 1p

Language: English

Journal Announcement: GRAI8123

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product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at [orders@ntis.fedworld.gov](mailto:orders@ntis.fedworld.gov). NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: Subscription

Extra-Safe Tractor-Trailer Coupling: A built-in safety mechanism prevents trailer uncoupling in case of kingpin failure

...of kingpin failure. The modified coupling utilizes all the standard components, such as two wear plates, a kingpin, and a kingpin latch. The coupling is modified by adding a semicircular lip to the top wear plate, a matching semicircular slot to the bottom wear plate, and two latching stop mechanisms. ...FOR ADDITIONAL INFORMATION: Contact: Director,

Technology Transfer Division, P.O. Box 8757, BWI Airport, MD 21240. Refer to FRC-10081.

Descriptors:

9/3,K/2 (Item 1 from file: 14) [Links](#)

Mechanical and Transport Engineer Abstract

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0001306260 IP Accession No: 200805-61-577493

Fifth wheel hitch coupling control system

Hungerink, Gerald W; Heeb, John P; Ingraham, Ronald D  
, USA

Publisher Url: <http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&u=/netaht/ml/PTO/search-adv.htm&r=1&p=1&f=G&l=50&d=PTXT&S1=5861802.PN.&OS=pn/5861802&RS=PN/5861802>

Document Type: Patent

Record Type: Abstract

Language: English

File Segment: Mechanical & Transportation Engineering Abstracts

Abstract:

An electronic coupling control system for a vehicle trailer hitch assembly having a hitch plate in which a throat is defined for receiving a trailer kingpin and having a locking mechanism for locking the kingpin in the hitch throat. The electronic... ..vehicle, wherein the control circuit is coupled to the interface for generating and providing a control signal to the vehicle electrical control system when the locking mechanism is not in a locked...

9/3,K/3 (Item 1 from file: 95) [Links](#)

TEME-Technology & Management

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01035136 M96116182559

Mechatronic wrecking of vehicles

( Mechatronisches Abschleppen von fuehrerlosen Fahrzeugen )

Petersen, U; Rueckgauer, A; Schiehlen, W

Univ. of Stuttgart, D

IFToMM, 9th World Congress on the Theory of Machines and Mechanisms, Proc., Vol.4, Milano, I,  
Aug 29 - Sep 2, 1995 , 1995

Document type: Conference paper Language: English

Record type: Abstract

Abstract:

...wrecked vehicle by mechatronic means is discussed. The coupling of two vehicles by a rigid tow bar needs special attention in simulation studies and experiments. Mathematical vehicle models of different complexity are... ..is carried out using two passenger cars which are connected by a specially designed rigid tow bar. The following vehicle is equipped with a steering actuator replacing the driver, and a data acquisition and control system. Road tests are performed with the two research vehicles to verify the simulation results...

Descriptors: ...MODELLING; RESEARCH PROJECTS; CONTROL THEORY; CONTROL SYSTEMS; STRATEGIES; CORNERING STIFFNESS; POSITION PROGRAM CONTROL; CONTROL ACCURACY ; ACTUATORS--

Identifiers:

9/3,K/4 (Item 1 from file: 103) [Links](#)

Energy SciTec

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02018258 EDB-87-146212

Title: Electromechanical spring-loaded brake for high train speeds

Author(s): Milles, W.

Affiliation: Ingenieurbuero Wilhelm Milles GmbH (Germany, F.R.)

Source: Glueckauf (Germany, Federal Republic of) v 123:13 . Coden: GLUEA

Publication Date: 9 Jul 1987 p 809-810, 812-814

Language: German

Title: Electromechanical spring-loaded brake for high train speeds

Abstract: ...future. To run such a system it is essential to be able to brake the train assembly as a whole. At present this can only be done with air-operated braking systems... ..and economic requirements can be properly met. This paper introduced the EZS11 electromechanical two-stage spring-loaded brake which provides two-stage brake units on each car. These brakes slow down... ..shortest braking distance by preventing the wheels from sliding. A power line links the entire train assembly, monitored by a newly developed dc line protection. Using the limit switches of the braking systems it is possible to monitor the brake blocks of each car... ..ruled out. Conversion of electrical energy from the battery into the mechanical energy in the springs is more efficient, unlike air operated braking systems. If bi-directional train operation is envisaged, the electro-mechanical braking system makes for great simplification. The connections of signal, control and monitoring functions can be readily executed with electrical switching circuits. The braking operation can...

Abstract:

Descriptors: ...SPRINGS;

Descriptors:

12/3,K/1 (Item 1 from file: 2) [Links](#)

INSPEC

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07468537 INSPEC Abstract Number: B2000-02-7230G-023, C2000-02-3360B-043

Title: Longitudinal and lateral control of heavy duty trucks for automated vehicle following in mixed traffic: experimental results from the CHAUFFEUR project

Author Fritz, H.

Author Affiliation: Res. Dept., DaimlerCrysler AG, Stuttgart, Germany

Conference Title: Proceedings of the 1999 IEEE International Conference on Control Applications (Cat. No.99CH36328) Part vol. 2 p. 1348-52 vol. 2

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 1999 Country of Publication: USA 2 vol. (xlvii+1802) pp.

ISBN: 0 7803 5446 X Material Identity Number: XX-1999-02876

U.S. Copyright Clearance Center Code: 0 7803 5446 X/99/\$10.00

Conference Title: Proceedings of the 1999 IEEE International Conference on Control Applications

Conference Sponsor: IEEE Control Syst. Soc

Conference Date: 22-27 Aug. 1999 Conference Location: Kohala Coast, HI, USA

Language: English

Subfile: B C

Copyright 2000, IEEE

Abstract: ...distance by another truck automatically. No additional road infrastructure is necessary.

For longitudinal and lateral control, information about the relative position of the leading and

following truck is determined by an onboard... ..small and safe distance to the leading truck. Lateral

control is done by an electronic tow bar approach where the rear truck follows the same track as the leading truck. Practical results...

12/3,K/2 (Item 2 from file: 2) [Links](#)

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INSPEC

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03922200 INSPEC Abstract Number: B87043580, C87039261

Title: Information through communication-a modern railway-information system

Author Waidmann, W.

Author Affiliation: Siemens AG, Erlangen, West Germany

Journal: Zeitschrift für Eisenbahnwesen und Verkehrstechnik vol.110, no.12 p. 423-8

Publication Date: Dec. 1986 Country of Publication: West Germany

CODEN: ZEVGAK ISSN: 0373-322X

Language: German

Subfile: B C

Abstract: ...Industries Association) Standard RS 485 with respect to the interface hardware, and HDLC (high level data link control-a bit-oriented data-transmission procedure) for programming software. Application of these two standards results in a hardware-controlled... ..the train-bus. The powerful system thus constructed also enables judgement of the availability of train assemblies rapidly.

12/3,K/3 (Item 3 from file: 2) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

INSPEC

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02108165 INSPEC Abstract Number: B77034973, C77023956

Title: Siemens 330 process computers for automation and on-line production control in a truck assembly plant

Author Albert, K.-H.; Schwindt, H.; Willinger, R.

Author Affiliation: Mfg. Industries Div., Siemens AG, Erlangen, West Germany

Journal: Siemens Review vol.44, no.4 p. 155-9

Publication Date: April 1977 Country of Publication: West Germany

CODEN: SZTEA6 ISSN: 0302-2528

Language: English

Subfile: B C

Abstract: ...increasing extent as an economic means of automation in the field of on-line production control, production data acquisition and quality control, as well as for automated warehousing and handling systems. A typical case is the use of Siemens 330 process computers of the Siemens 300/16-bit systems in an automated truck assembly plant in the Soviet Union.

12/3,K/4 (Item 1 from file: 8) [Links](#)

Ei Compendex(R)

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0010450498 E.I. COMPENDEX No: 1976090000136

Siemens 330 Process Computers for Automation and On-Line Production Control of a Truck Assembly Plant.

AUTOMATISIERUNG UND ON-LINE-FERTIGUNGSSTEUERUNG MIT SIEMENS-PROZESSRECHNERN 330 IN EINEM LKW-MONTAGEBETRIEB.

Albert, Karl Heinz; Schwindt, Hans; Willinger, Reinhard

Corresp. Author/Affil: Albert, Karl Heinz

Siemens-Z 1976 50/5 (328-333)

Publication Date: 19760101

CODEN: SIEZA

Document Type: Journal Record Type: Abstract

Language: German Summary Language: English

...describing the use of Siemens 330 process computers in the automatic control system of a truck assembly plant in the Soviet Union.

Descriptors:

12/3,K/5 (Item 1 from file: 14) [Links](#)

Mechanical and Transport Engineer Abstract

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0001875177 IP Accession No: 200808-61-1355401

Data interface between rotating and nonrotating members

Peacock, Richard A

, USA

Publisher Url: [http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&u=/netahtml/PTO/search-adv.htm&r=1&p=1&f=G&l=50&d=PTXT&S1=43 10767.PN.&OS=pn/4310767&RS=PN/4310767](http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&u=/netahtml/PTO/search-adv.htm&r=1&p=1&f=G&l=50&d=PTXT&S1=43%2010767.PN.&OS=pn/4310767&RS=PN/4310767)

Document Type: Patent

Record Type: Abstract

Language: English

File Segment: Mechanical & Transportation Engineering Abstracts

Abstract:

A data interface for a railcar truck assembly, to transmit the outputs of transducers located on the rotating axle to circuits on the ... and emits light to a group of auxiliary photocells on the axle, to provide mode control data feed back to the axle to operate the power supply and signal processing circuitry on...

12/3,K/6 (Item 2 from file: 14) [Links](#)

Mechanical and Transport Engineer Abstract

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0001145734 IP Accession No: 200804-61-398339

Enhanced distributed power

Montgomery, Stephen R

, USA

Publisher Url: [http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&u=/netahtml/PTO/search-adv.htm&r=1&p=1&f=G&l=50&d=PTXT&S1=59 50967.PN.&OS=pn/5950967&RS=PN/5950967](http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&u=/netahtml/PTO/search-adv.htm&r=1&p=1&f=G&l=50&d=PTXT&S1=59%2050967.PN.&OS=pn/5950967&RS=PN/5950967)

Document Type: Patent

Record Type: Abstract

Language: English

File Segment: Mechanical & Transportation Engineering Abstracts

Abstract:

...the train. In a first embodiment, the apparatus includes a train force calculator which approximates train coupler forces based on computations as a function of the track topography. In a second embodiment ... the coupler force computations or measurements, the position information, the track topography information, train consist information, and locomotive control settings to generate slave control signals which are provided to the slave locomotives through a ...

12/3,K/7 (Item 1 from file: 63) [Links](#)

Transport Res(TRIS)

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00819036 DA

TITLE: LONGITUDINAL AND LATERAL CONTROL OF TWO ELECTRONICALLY



## COUPLED HEAVY-DUTY TRUCKS IN THE CHAUFFEUR PROJECT

Author: FRITZ, H

Corporate Source: ITS AMERICA, 400 VIRGINIA AVENUE SW, SUITE 800, WASHINGTON, DC , 20024-2730 ,

Journal: PROCEEDINGS OF 6TH WORLD CONGRESS ON INTELLIGENT TRANSPORT SYSTEMS (ITS), HELD TORONTO, CANADA, NOVEMBER 8-12, 1999 Page: -

Publication Date: 19990000 Publication Year: 1999

Language: English Subfile: IRRD (I)

IRRD Document Number: E110339

Data Source: Transport Research Laboratory (TRL)

Abstract: ...distance by another truck automatically. No additional road infrastructure is necessary. For longitudinal and lateral control, information about the relative position of the leading and following truck is determined by an onboard... ..small and safe distance to the leading truck. Lateral control is done by an electronic tow bar approach where the rear truck follows the same track as the leading truck. Practical results...

Conference Title:

12/3,K/8 (Item 2 from file: 63) [Links](#)

Transport Res(TRIS)

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00749087 DA

TITLE: DIGITAL WHEEL WEAR MEASURING SYSTEM

Author: Johnson, KD

Corporate Source: American Public Transit Association, 1201 New York Avenue, NW , Washington, DC, 20005,

Report Number: Volume 2

Page: pp 43-44

Publication Date: 19960000 Publication Year: 1996

Language: English Subfile: UMTSIS (U)

ISSN: N/A

Availability: American Public Transit Association ; 1201 New York Avenue, NW ; Washington ; DC ; 20005

Order Number: N/A

Figures: 2 Fig.

Conference Title: Proceedings of the 1996 Rapid Transit Conference of the American Public Transit Association

Abstract: ...a technology known as a "bi-motor." This means there are two (2) motor per truck assembly and that each drive axle has an independent traction motor. Some manufacturers have applied a technology known as a "mono-motor." This means there is one (1) motor per truck assembly and that both drive axles are connected to the same traction motor. The "mono-motor... ..of the ultrasonic system is the data logger which is used for electronic storage and transfer of data to a PC. The data base allows the maintenance staff to schedule corrective wheel maintenance...

Conference Title:

12/3,K/9 (Item 1 from file: 81) [Links](#)

MIRA - Motor Industry Research

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174196

Greg Larson, Head of Advance Highway Systems recommends vehicle highway automation for better traffic management.

BISHOP R

Traffic Technology International

August 1, 2001

Page : 20

Collation : (6 p, 8 fig, 0 ref)

Document Type: JOURNAL Language: ENGLISH

Record Type: ABSTRACT

Supplier Record Type: AA

...traffic flow. Japan's Advanced Cruise-Assist Highway System Research Association (AHSRA) defines three levels, information to driver, control assistance to driver and fully automated operations will reduce road traffic accidents. In Europe, CHAUFFEUR project has implemented electronic tow-bar operations for heavy trucks. The Advanced Drive Assistance Systems for Europe (ADASE) and RESPONSE provides...

16/3,K/1 (Item 1 from file: 6) [Links](#)

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NTIS

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1757670 NTIS Accession Number: N93-31036/5

Advanced Electromagnetic Methods for Aerospace Vehicles

( Semiannual Progress Report, 1 Jan. - 30 Jun. 1993 )

Balanis, C. A. ; Sun, W. ; El-Sharawy, E. ; Aberle, J. T. ; Birtcher, C. R.

Arizona State Univ., Tempe.

Corporate Source Codes: 000950000; AX646679

Sponsor: National Aeronautics and Space Administration, Washington, DC.

Report Number: NAS 1.26:193468; TRC-EM-CAB-9306; NASA-CR-193468

1993 91p

Language: English Document Type: Conference proceeding

Journal Announcement: GRAI9323; STAR3111

Conference Held at Tempe, Az, 28-29 Oct. 1992, and Meeting Held on 19-20 May 1993.

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NTIS Prices: PC A05/MF A01

...in this reporting period have been steered toward practical helicopter electromagnetic problems, such as HF antenna problems and antenna efficiencies, recommended by the AHE members at the

annual conference held at Arizona State University... ..on 19-20 May 1993. The main topics addressed include the following: Composite Materials and Antenna Technology. The research work on each topic is closely tied with the AHE Consortium members... ..Materials has been given to the following: modeling of material discontinuity and their effects on towel-bar antenna patterns; guidelines for composite material modeling by using the Green's function approach in the NEC code; measurements of towel-bar antennas grounded with a partially material-coated plate; development of 3-D volume mesh generator for modeling thick and volumetric dielectrics by using FD-TD method; FDTD modeling of horn antennas with composite E-plane walls; and antenna efficiency analysis for a horn antenna loaded with composite dielectric materials.  
Descriptors: \*Antenna radiation patterns; \*Conferences; \*Dielectrics; \*Electromagnetism; \*Helicopters; Aerospace vehicles; Composite materials; Computational grids; Discontinuity; Green's functions; Horn antennas

16/3,K/2 (Item 1 from file: 14) [Links](#)  
Mechanical and Transport Engineer Abstract  
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0001777939 IP Accession No: 200807-61-0922357  
Steering apparatus for a trailer vehicle

Propst, Robert L.  
, USA

Publisher Url: <http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&u=/netaht/ml/PTO/search-adv.htm&r=1&p=1&f=G&l=50&d=PTXT&S1=41 34601.PN.&OS=pn/4134601&RS=PN/4134601>

Document Type: Patent  
Record Type: Abstract  
Language: English  
File Segment: Mechanical & Transportation Engineering Abstracts

#### Abstract:

...vehicle and are each pivotal about an associated vertical axis. A tie member having a plate with a longitudinal slot formed therein extends between and connects the front wheel assemblies to provide for the simultaneous pivoting of the front wheel assemblies. A tow bar is pivotally connected to the vehicle between the front wheel assemblies and is provided with a pin that extends into the slot in the plate. During pivoting, the pin is displaced both transversely and longitudinally of the vehicle, but since the pin slides in the slot only the transverse component of displacement of the tow bar is transferred to the tie member. The steering apparatus operates to pivot the front wheel assemblies from.... forward position through an increasing angle that decreases relative to the angle through which the tow bar is pivoted as the tow bar is pivoted from the straight forward position to an angled position.

16/3,K/3 (Item 2 from file: 14) [Links](#)  
Mechanical and Transport Engineer Abstract  
(c) 2008 CSA. All rights reserved.  
0001646236 IP Accession No: 200806-61-860870

## Trailer hitch apparatus

Twiestmeyer, Terry B  
, USA

Publisher Url: <http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&u=/netahtml/PTO/search-adv.htm&r=1&p=1&f=G&l=50&d=PTXT&S1=41 92524.PN.&OS=pn/4192524&RS=PN/4192524>

Document Type: Patent

Record Type: Abstract

Language: English

File Segment: Mechanical & Transportation Engineering Abstracts

### Abstract:

A selectively convertible trailer hitch device is disclosed which is readily adapted for attachment to the rear bumper plate and the longitudinal frame members of most commonly used towing vehicles. The trailer hitch device includes a support frame having a built-up bottom section with a horizontal slot... ..device interconnecting the support frame to the longitudinal frame members of the towing vehicle for transferring at least a part of the load carried by the draw bar from the bumper plate to the longitudinal frame members.

16/3,K/4 (Item 3 from file: 14) [Links](#)

Mechanical and Transport Engineer Abstract

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0001303445 IP Accession No: 200805-61-725414

Dynamically stable, lightweight railcar support system

Hawthorne, Vaughn Terrey; Spencer, Charles P; Pitchford, Terry L  
, USA

Publisher Url: <http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&u=/netahtml/PTO/search-adv.htm&r=1&p=1&f=G&l=50&d=PTXT&S1=57 46136.PN.&OS=pn/5746136&RS=PN/5746136>

Document Type: Patent

Record Type: Abstract

Language: English

File Segment: Mechanical & Transportation Engineering Abstracts

### Abstract:

A freight railcar undercarriage constant-contact sidebearing arrangement provides a load force transfer mechanism with a more direct or less redundant force transfer path between the railcar body with its lading and the sideframe and wheels of a truck assembly, which system obviates the present use of a bolster center plate structure for load transfer, carries all the load forces through the side bearing assemblies, fulfills the dynamic operating requirements... ..the railcar while maintaining the load-carrying capacity, and is particularly adaptable to three-piece truck assemblies in broad use on freight railcars.

Descriptors: ...Lightweight; Railroad engineering; Railroad wheels; Railroads; Support systems; Undercarriage; Plates (structural members); Bearing; Positioning; Stress transfer  
Identifiers:

16/3,K/5 (Item 4 from file: 14) [Links](#)

Mechanical and Transport Engineer Abstract

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0000688739 IP Accession No: 200705-20-087328

Marked Progress in Both Technique and Handling of Valve Train and Valve Train Drive Calculations on Commercial Platforms

Buck, Juergen; Speckens, Friedrich-Wilhelm FEV Motorentechnik GmbH & Co. KG  
, Mar. 1999

Publication Date: 1999

Publisher: Society of Automotive Engineers , 400 Commonwealth Dr. , Warrendale , PA , 15096

Country Of Publication: USA

Publisher Url: DRL: [http://www.sae.org/servlets/productDetail?PROD\\_TYP=PAPER&PROD\\_CD=1999-01-05\\_60](http://www.sae.org/servlets/productDetail?PROD_TYP=PAPER&PROD_CD=1999-01-05_60) <http://www.sae.org>

Document Type: Conference Paper

Record Type: Abstract

Language: English

Record No: SAE Document 1999-01-0560

File Segment: Mechanical & Transportation Engineering Abstracts

Abstract:

...the dynamic calculations of valve train as well as valve train drive systems have been transferred to a commercially available multi-body dynamic simulation software. The valve train and valve train drive models use a combination of standard elements. Models of a valve spring and the hydraulic adjusting element and tensioner have been taken over from their parent programs to the new platform. Once specific models are transferred to the platform, the tool offers tremendous opportunities. For example, further physical properties can be... ..is enhanced. The possibilities of extending the models allow the comprehensive simulation of complete valve train assemblies, complex valve train drive systems and their combination. FEV's chain drive model takes the...

16/3,K/1 (Item 1 from file: 6) [Links](#)

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1757670 NTIS Accession Number: N93-31036/5

Advanced Electromagnetic Methods for Aerospace Vehicles

( Semiannual Progress Report, 1 Jan. - 30 Jun. 1993 )

Balanis, C. A. ; Sun, W. ; El-Sharawy, E. ; Aberle, J. T. ; Birtcher, C. R.

Arizona State Univ., Tempe.

Corporate Source Codes: 000950000; AX646679

Sponsor: National Aeronautics and Space Administration, Washington, DC.  
Report Number: NAS 1.26:193468; TRC-EM-CAB-9306; NASA-CR-193468  
1993 91p

Language: English Document Type: Conference proceeding

Journal Announcement: GRAI9323; STAR3111

Conference Held at Tempe, Az, 28-29 Oct. 1992, and Meeting Held on 19-20 May 1993.

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NTIS Prices: PC A05/MF A01

...in this reporting period have been steered toward practical helicopter electromagnetic problems, such as HF antenna problems and antenna efficiencies, recommended by the AHE members at the annual conference held at Arizona State University... ..on 19-20 May 1993. The main topics addressed include the following: Composite Materials and Antenna Technology. The research work on each topic is closely tied with the AHE Consortium members... ..Materials has been given to the following: modeling of material discontinuity and their effects on towel-bar antenna patterns; guidelines for composite material modeling by using the Green's function approach in the NEC code; measurements of towel-bar antennas grounded with a partially material-coated plate; development of 3-D volume mesh generator for modeling thick and volumetric dielectrics by using FD-TD method; FDTD modeling of horn antennas with composite E-plane walls; and antenna efficiency analysis for a horn antenna loaded with composite dielectric materials.

Descriptors: \*Antenna radiation patterns; \*Conferences; \*Dielectrics; \*Electromagnetism; \*Helicopters; Aerospace vehicles; Composite materials; Computational grids; Discontinuity; Green's functions; Horn antennas

16/3,K/2 (Item 1 from file: 14) [Links](#)

Mechanical and Transport Engineer Abstract

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0001777939 IP Accession No: 200807-61-0922357

Steering apparatus for a trailer vehicle

Propst, Robert L

, USA

Publisher Url: <http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&u=/netacgi/nph/PTO/search-adv.htm&r=1&p=1&f=G&l=50&d=PTXT&S1=41 34601.PN.&OS=pn/4134601&RS=PN/4134601>

Document Type: Patent

Record Type: Abstract

Language: English

File Segment: Mechanical & Transportation Engineering Abstracts

Abstract:

...vehicle and are each pivotal about an associated vertical axis. A tie member having a plate with a longitudinal slot formed therein extends between and connects the front wheel assemblies to provide for the simultaneous pivoting of the front wheel assemblies. A tow bar is pivotally connected to the vehicle between the front wheel assemblies and is provided with a pin that extends into the slot in the plate. During pivoting, the pin is displaced both transversely and longitudinally of the vehicle, but

since the pin slides in the slot only the transverse component of displacement of the tow bar is transferred to the tie member. The steering apparatus operates to pivot the front wheel assemblies from... ..forward position through an increasing angle that decreases relative to the angle through which the tow bar is pivoted as the tow bar is pivoted from the straight forward position to an angled position.

16/3,K/3 (Item 2 from file: 14) [Links](#)  
Mechanical and Transport Engineer Abstract  
(c) 2008 CSA. All rights reserved.  
0001646236 IP Accession No: 200806-61-860870  
Trailer hitch apparatus

Twistmeyer, Terry B  
, USA

Publisher Url: <http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&u=/netahtml/PTO/search-adv.htm&r=1&p=1&f=G&l=50&d=PTXT&S1=41 92524.PN.&OS=pn/4192524&RS=PN/4192524>

Document Type: Patent  
Record Type: Abstract  
Language: English  
File Segment: Mechanical & Transportation Engineering Abstracts

Abstract:

A selectively convertible trailer hitch device is disclosed which is readily adapted for attachment to the rear bumper plate and the longitudinal frame members of most commonly used towing vehicles. The trailer hitch device includes a support frame having a built-up bottom section with a horizontal slot... ..device interconnecting the support frame to the longitudinal frame members of the towing vehicle for transferring at least a part of the load carried by the draw bar from the bumper plate to the longitudinal frame members.

16/3,K/4 (Item 3 from file: 14) [Links](#)  
Mechanical and Transport Engineer Abstract  
(c) 2008 CSA. All rights reserved.  
0001303445 IP Accession No: 200805-61-725414  
Dynamically stable, lightweight railcar support system

Hawthorne, Vaughn Terrey; Spencer, Charles P; Pitchford, Terry L  
, USA

Publisher Url: <http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&u=/netahtml/PTO/search-adv.htm&r=1&p=1&f=G&l=50&d=PTXT&S1=57 46136.PN.&OS=pn/5746136&RS=PN/5746136>

Document Type: Patent  
Record Type: Abstract

Language: English

File Segment: Mechanical & Transportation Engineering Abstracts

Abstract:

A freight railcar undercarriage constant-contact sidebearing arrangement provides a load force transfer mechanism with a more direct or less redundant force transfer path between the railcar body with its lading and the sideframe and wheels of a truck assembly, which system obviates the present use of a bolster center plate structure for load transfer, carries all the load forces through the side bearing assemblies, fulfills the dynamic operating requirements... ..the railcar while maintaining the load-carrying capacity, and is particularly adaptable to three-piece truck assemblies in broad use on freight railcars.

Descriptors: ...Lightweight; Railroad engineering; Railroad wheels; Railroads; Support systems; Undercarriage; Plates (structural members); Bearing; Positioning; Stress transfer

Identifiers:

16/3,K/5 (Item 4 from file: 14) [Links](#)

Mechanical and Transport Engineer Abstract

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0000688739 IP Accession No: 200705-20-087328

Marked Progress in Both Technique and Handling of Valve Train and Valve Train Drive Calculations on Commercial Platforms

Buck, Juergen; Speckens, Friedrich-Wilhelm FEV Motorentechnik GmbH & Co. KG  
, Mar. 1999

Publication Date: 1999

Publisher: Society of Automotive Engineers , 400 Commonwealth Dr. , Warrendale , PA , 15096

Country Of Publication: USA

Publisher Url: DRL: [http://www.sae.org/servlets/productDetail?PROD\\_TYP=PAPER&PROD\\_CD=1999-01-05](http://www.sae.org/servlets/productDetail?PROD_TYP=PAPER&PROD_CD=1999-01-05) 60 <http://www.sae.org>

Document Type: Conference Paper

Record Type: Abstract

Language: English

Report No: SAE Document 1999-01-0560

File Segment: Mechanical & Transportation Engineering Abstracts

Abstract:

...the dynamic calculations of valve train as well as valve train drive systems have been transferred to a commercially available multi-body dynamic simulation software. The valve train and valve train drive models use a combination of standard elements. Models of a valve spring and the hydraulic adjusting element and tensioner have been taken over from their parent programs to the new platform. Once specific models are transferred to the platform, the tool offers tremendous opportunities. For example, further physical properties can be... ..is enhanced. The possibilities of extending the models allow the comprehensive simulation of complete valve train assemblies, complex valve train drive systems and their combination. FEV's chain drive model takes the...



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Subject Search; non patent literature; abstracts/bibliographic # 2

Set	Items	Description
S1	40545	S (TRANSMUT? OR CONVERT??? OR TRANSFIGUR??? OR TRANSFER OR TRANSFERRING OR CONTROL OR CONTROLLING) (3N) (DATA OR INFORMATION OR SIGNAL OR INFO)
S2	587870	S PLATE? ? OR COILSPRING? ? OR COIL??? OR SPRING? ? OR SWITCH?? OR RELAY? ? OR (SEND??? OR SENT) (3N) (SIGNAL OR MESSAGE) OR DEMODULATOR OR CARRIER() SIGNAL OR ACTUATOR?
S3	169	S (FIFTHWHEEL OR SEMI OR SEMI()) TRAILER OR (TOW??? OR TRAILER? ? OR TRACTOR OR TRUCK OR LORRY? ? OR LORRIES OR TRANSPORTATION OR CARAVAN OR TRAIN)) () (HITCH? ? OR ASSEMBLY? ? OR ASSEMBLIES OR HOOK() UP OR HOOKUP? ? OR BAR? ? OR RECEPTACLE? ? OR SLOT? ? OR COUPLER OR COUPLING OR PIN OR BOLT OR KINGPIN OR HEADPIN)
S4	72	S KINGPIN OR HEADPIN OR SWIVEL() PIN OR KINGBOLT OR PIVOT() PIN
S5	1365	S S1 AND S2
S6	0	S S5 AND S3
S7	0	S S1 AND S3
S8	0	S S5 AND S4
S9	1561	S RYDEX OR RYAN
S10	8	S S9 AND (S1 OR S3)
S11	8	RD (unique items)
S12	9	S S2 AND S3
S13	9	S S12 NOT S11
S14	9	RD (unique items)
S15	7	S S14 NOT PY>2003

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[File 5] Biosis Previews(R) 1926-2008/Sep W4  
(c) 2008 The Thomson Corporation. All rights reserved.

[File 10] AGRICOLA 70-2008/Aug  
(c) format only 2008 Dialog. All rights reserved.

[File 50] CAB Abstracts 1972-2008/Sep W4  
(c) 2008 CAB International. All rights reserved.

*\*File 50: The file has been reloaded and accession numbers have changed. See HELP NEWS50 for information.*

[File 143] Biol. & Agric. Index 1983-2008/Aug  
(c) 2008 The HW Wilson Co. All rights reserved.

[File 203] AGRIS 1974-2008/Feb  
Dist by NAL, Intl Copr. All rights reserved. All rights reserved.

[File 266] FEDRIP 2008/Jul  
Comp & dist by NTIS, Intl Copyright All Rights Res. All rights reserved.

[File 306] Pesticide Fact File 2003/Sep  
(c) 2003 BCPC. All rights reserved.

[File 357] Derwent Biotech Res. \_1982-2008/Sep W1  
(c) 2008 Thomson Reuters. All rights reserved.

=====

11/3,K/1 (Item 1 from file: 5) [Links](#)

Biosis Previews(R)

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16215057 Biosis No.: 200100386896

Examination of proficiency and control recovery data from analyses for pesticide residues in food: Sources of variability

Author: Horwitz William (Reprint); Jackson Terry; Chirtel Stuart J

Author Address: AOAC INTERNATIONAL, 481 N Frederick Ave, Gaithersburg, MD, 20877-2417, USA \*\*USA

Journal: Journal of AOAC International 84 ( 3 ): p 919-935 May-June, 2001 2001

Medium: print

ISSN: 1060-3271

Document Type: Article

Record Type: Abstract

Language: English

11/3,K/2 (Item 2 from file: 5) [Links](#)

Biosis Previews(R)

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15344883 Biosis No.: 200000063196

On the use of historical control data for trend test in carcinogenicity studies

Author: Sun Jianguo (Reprint)

Author Address: Department of Statistics, University of Missouri, 222 Math Sciences Building, Columbia, MO, USA \*\*USA

Journal: Biometrics 55 ( 4 ): p 1273-1276 Dec., 1999 1999

Medium: print

ISSN: 0006-341X

Document Type: Article

Record Type: Abstract

Language: English

Abstract: Historical control data are often available in carcinogenicity studies and are included for testing dose effects in current studies. A new method is developed for incorporating the historical control information into a dose effect test. The method generalizes the test procedures proposed by Tarone (1982, Biometrics 38, 215-220) and Ibrahim and Ryan (1996, Biometrics 52, 1478-1485) by taking into account the variation resulting from parameter estimation...

11/3,K/3 (Item 3 from file: 5) [Links](#)

Biosis Previews(R)

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11376722 Biosis No.: 199294078563

EFFECTS OF TYPE OF INSTRUCTION ON SOLUTION OF PSYCHOLOGICAL SELF-HELP PROBLEMS

Author: SAPER Z (Reprint); FOREST J J

Author Address: DEP PSYCHOL, UNIV MANITOBA, WINNIPEG, MB, CAN R3T 2N2\*\*CANADA

Journal: Psychological Reports 70 ( 3 PART 2 ): p 1095-1105 1992

ISSN: 0033-2941

Document Type: Article

Record Type: Abstract

Language: ENGLISH

Abstract: ...received information in Didactic (D), Example (E), and Practice Problem (P) formats, respectively, while a control group received no information (NI). Six other groups (DD, DE, DP, EE, EP, and PP) received combinations of two... ..these groups represent the formats in which the two sets of information were presented. A Ryan-Einot-Gabriel-Welsch multiple-range analysis indicated that groups EE, DP, EP, and DE obtained...

11/3,K/4 (Item 1 from file: 10) [Links](#)

AGRICOLA

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4570604 30974251 Holding Library: DNLM/DLC; DLC; NLM; BAKER; C#P; BTCTA;

YDXCP; YDX; UKM; AGL

The periplasm / edited by Michael Ehrmann

Ehrmann, Michael, Dr.

American Society for Microbiology.

Washington, D.C. : ASM Press, c2007.

xviii, 415 p., [28] p. of plates : ill. (some col.) ; 27 cm.

LCCN: 2006019687

ISBN: 1555813984 (alk. paper); 9781555813987 (alk. paper)

Language: English

Contents: ...proteases and protease inhibitors / Nicolette Kucz, Michael Meltzer, and Michael Ehrmann -- Cell division / S. J. Ryan Arends ... [et al.] -- Structure and biosynthesis of the murein (peptidoglycan) sacculus / Waldemar Vollmer -- Periplasmic events... ..A. Cole -- The biosynthesis of the molybdenum cofactor and its incorporation into molybdoenzymes / Silke Leimkuhler -- Transfer of energy and information across the periplasm in iron transport and regulation / Volkmar Braun and Susanne Mahren -- Periplasmic ABC...

11/3,K/5 (Item 2 from file: 10) [Links](#)

AGRICOLA

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4067285 23331246 Holding Library: AGL

Fertilization has little effect on light-interception efficiency of Picea abies shoots

Palmroth, S. Stenberg, P.; Smolander, S.; Voipio, P.; Smolander, H.

Victoria [B.C.] Canada : Heron Pub.,

Tree physiology. Nov 2002. v. 22 (15/16) p. 1185-1192.

ISSN: 0829-318X CODEN: TRPHEM

DNAL Call Number: QK475.T74

Language: English

...ecosystems and landscape function / edited by J.R. Brooks, D.G. Sprugel and M.G. Ryan.

Proceedings of a traveling workshop held July 11-19, 2001, Washington/Oregon.

We investigated effects of nutrient availability on shoot structure and light-interception efficiency based on data from control (C) and irrigated + fertilized (IL) trees of Norway spruce (Picea abies (L.) Karst.). The sampling...

11/3,K/6 (Item 1 from file: 50) [Links](#)

CAB Abstracts

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0005706699 CAB Accession Number: 19862028702

Rapid methods and automation in microbiology and immunology.

Inst. für Klinische & Exp. Virologie, Freie Univ. Berlin, Hindenburgdamm 27, Berlin.

Additional Authors: Ryan, K. J.

Conference Title: Rapid methods and automation in microbiology and immunology.

xvi + 730pp.

Publication Year: 1985

Editors: Habermehl, K. O.

Publisher: Springer-Verlag Berlin, Germany

ISBN: 3-540-13695-9

Language: English Record Type: Abstract

Document Type: Conference proceedings

... and susceptibility testing of microorganisms; measurement of antimicrobial agents in body fluids; data processing and data management; food control and monitoring of the environment. In comparison with the previous 3 symposia this volume contains... ... reflection on the subject that 12 years after the first symposium, to quote K.J. Ryan (p. 559), "with most automated microbiology instruments ... the results are often generated outside the regular...

... and susceptibility testing of microorganisms; measurement of antimicrobial agents in body fluids; data processing and data management; food control and monitoring of the environment. In comparison with the previous 3 symposia this volume contains... ... reflection on the subject that 12 years after the first symposium, to quote K.J. Ryan (p. 559), "with most automated microbiology instruments ... the results are often generated outside the regular...

11/3,K/7 (Item 1 from file: 266) [Links](#)

FEDRIP

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00577628

Identifying No.: 0203671 Agency Code: AGRIC

Technical and Economic Assessment of Hydrogen as a Future Fuel in California  
solar energy

Associate Investigators: Ogden, J. M.

Performing Org.: UNIV OF CALIFORNIA, ENVIRONMENTAL SCIENCE AND POLICY,  
DAVIS, CALIFORNIA 95616

Progress Report Summary: "...the lowest-cost hydrogen delivery mode." International Journal of Hydrogen Energy, 32(2),268-286. McCarthy, Ryan W., Joan M. Ogden, Daniel Sperling, "Assessing reliability in energy supply systems," Energy Policy, Volume...

11/3,K/8 (Item 2 from file: 266) [Links](#)

FEDRIP

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00576249

Identifying No.: 0201704 Agency Code: AGRIC

Regulation of CtrA proteolysis in *Caulobacter crescentus*  
plant disease control

Associate Investigators: Ryan, K. R.

Performing Org.: UNIV OF CALIFORNIA, MICROBIAL BIOLOGY , BERKELEY ,  
CALIFORNIA 94720

Progress Report Summary: Reisinger, S.J., Huntwork, S., Viollier, P.H., and Ryan, K.R.  
(2007). DivL performs critical cell cycle functions in *Caulobacter crescentus* independent of kinase activity...

Descriptors: ...biology; degradation; protein characterization; protein identification; gene regulation;  
gene expression; bacterial genetics; proteases; enzyme activity; signal transduction; plant disease  
control

\*\*\*\*\*

15/3,K/1 (Item 1 from file: 5) [Links](#)

Biosis Previews(R)

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16289082 Biosis No.: 200100460921

Method and apparatus for positioning a hay rake

Author: Menichetti Silvano (Reprint); Petturiti Sauro

Author Address: Umbertide, Italy\*\*Italy

Journal: Official Gazette of the United States Patent and Trademark Office Patents 1249 ( 2 ): Aug.  
14, 2001 2001

Medium: e-file

Patent Number: US 6272826 Patent Date Granted: August 14, 2001 20010814 Patent

Classification: 56-367 Patent Assignee: Sitrex S.r.l., Trestina, Italy Patent Country: USA

ISSN: 0098-1133

Document Type: Patent

Record Type: Abstract

Language: English

Abstract: ...the peripheral rotating part. In one embodiment of the present invention, the apparatus includes an actuator where the actuator is mounted above the gearbox. A support frame is mounted below the gearbox and is... ...central nonrotating part of the gearbox and is coupled at its upper end to the actuator and at its lower end to the support frame. The support frame is movable to its second upper position in response to a force imparted to it by the actuator through the connecting member. Additionally, the invention may include a tow bar assembly. The tow bar assembly has a rear extended part connected to the gearbox. A central extended part is... ...second upper position as a result of movement of the central extended part. A second actuator may be included with the tow bar assembly where the second actuator moves the central extended member.

15/3,K/2 (Item 2 from file: 5) [Links](#)

Biosis Previews(R)

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16035687 Biosis No.: 200100207526

Herbicide sprayer assembly

Author: Williamson John C (Reprint)

Author Address: Durant, FL, USA\*\*USA

Journal: Official Gazette of the United States Patent and Trademark Office Patents 1238 ( 2 ): Sep. 12, 2000 2000

Medium: e-file

Patent Number: US 6116519 Patent Date Granted: September 12, 2000 20000912 Patent

Classification: 239-168 Patent Assignee: Brown; G. Marvin, Dover, FL, USA; Williamson; M.

Glenn, Dover, FL, USA; Williamson; Lisa, Dover, FL, USA Patent Country: USA

ISSN: 0098-1133

Document Type: Patent

Record Type: Abstract

Language: English

Abstract: ...are mounted on an elongated beam extending from a boom secured to a three-point trailer hitch of a tractor. Controlled herbicide spraying of the unwanted growth which occurs in the furrows... ..two spray chambers being movable towards and away from each other against the bias of springs so that varying widths of furrows between adjacent dikes are accommodated.

15/3,K/3 (Item 1 from file: 50) [Links](#)

CAB Abstracts

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0007134630 CAB Accession Number: 19950620093

Potential fire danger of forests in the basin of Lake Baikal.

Evdokimenko, M. D.

Institut Lesa i Drevesiny im. V.N. Sukacheva SO AN, Krasnoyarsk, Russia.

Lesovedenie ( 5 ): p.14-25

Publication Year: 1991

ISSN: 0024-1148

Language: Russian Summary Language: English Record Type: Abstract

Document Type: Journal article

...made of the natural fire danger in the altitudinal vegetation zones from meadow-steppe to semi-bare subalpine complexes. Data are tabulated on the seasonal fire danger of the main forest types... .. of fire danger during the year, and the maximum duration of continuous fire danger in spring, summer, and autumn, for 31 different groups of forest types.

15/3,K/4 (Item 2 from file: 50) [Links](#)

CAB Abstracts

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0006385721 CAB Accession Number: 19911953979

Mobile planter.

Benest, R. S.

Manor House Farm, Rue de Bas, St. Lawrence, Jersey, UK.

United States Patent

( US 4,934,290 ): 9 pp.

Publication Year: 1990

Language: English Record Type: Abstract

Document Type: Miscellaneous

... and outwards through an opening in the drum. The coultter assembly has reciprocated coultter site

plates which receive and support each plant in a receiving zone between them, and by forward... .. twin parallel toolbars whereby the row units are freely laterally position-adjustable even across the tractor hitch.

15/3,K/5 (Item 3 from file: 50) [Links](#)  
CAB Abstracts  
(c) 2008 CAB International. All rights reserved.  
0004959086 CAB Accession Number: 19792403915  
Intermittent sprayers.

USDA, USA  
USDA, Wooster, Ohio, USA.  
World Farming vol. 21 ( 7 ): p.26, 28, 31  
Publication Year: 1979  
Language: English Record Type: Abstract  
Document Type: Journal article  
Experiments with 2 automatic intermittent sprayers, designed for a 3-point tractor hitch and using spring steel feeler wires to sense the plants and trigger the spray, are briefly described. The...

15/3,K/6 (Item 1 from file: 203) [Links](#)  
AGRIS  
Dist by NAL, Intl Copr. All rights reserved. All rights reserved.  
02135519 AGRIS No: 97-083309  
A new type of mobile arrangement for water flows and reservoir aeration  
( Nový typ mobilnej supravý na prevádzkovanie vodných tokov a nádrží )  
Zajdlík, M (Výskumný Ústav Vodného Hospodárstva, Bratislava (Slovakia))  
[Water management aspects for landscape improvement] ( Vodohospodárske aspekty ekologizácie krajiny )  
Výskumný Ústav Vodného Hospodárstva, Bratislava (Slovakia)  
Publisher: Krumpár, polygrafické služby , Bratislava (Slovakia) , 1995 , p. 150-179 , 1. ed.  
Language: Slovak Summary Language: English  
...flows and reservoirs. The first prototype of a mobile aeration device installed on a pontoon plate was used in 1993 on the Klenovec water reservoir (Slovakia), where it helped considerably to...  
...testing in the hydraulic laboratory as well as at the reservoir are given. Instructions for transportation, assembly and maintenance and a break-down of costs are included.

15/3,K/7 (Item 1 from file: 266) [Links](#)  
FEDRIP  
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00413854  
Identifying No.: 9986206 Agency Code: NSF  
Exploratory Research on Biosystems at the Nanoscale: Kinesin-Powered Micro-Chemo-Mechanical Systems (MCMS).

Principal Investigator: Stewart, Russell J

Performing Org.: University of Utah, Department of Bioengineering , Salt Lake City , UT 84112-9202

Project Monitor: Rajurkar, K. P.

Sponsoring Org.: National Science Foundation, DMI , 4201 Wilson Boulevard , Arlington , Virginia 22230

Dates: 20000601 To 20020531 Fy : 2000 Funds: \$604,137 ( 600000 )

Summary: ...microfabricated machine parts like levers, or gears, or rotors. This will be the first step toward coupling kinesin generated forces to a useful action in an MCMS. (3) Construction of a prototype... ..powered microgenerators, or micropumps, as well as devices with kinesin-actuated gates, valves, mirrors, or switches can be imagined.

Progress Report Summary:

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Subject Search; non patent literature; full text

Set	Items	Description
S1	0	S RYDEX
S2	1291	S (TRANSMUT? OR CONVERT??? OR TRANSFIGUR??? OR TRANSFER OR TRANSFERRING OR CONTROL OR CONTROLLING) (3N) (DATA OR INFORMATION OR SIGNAL OR INFO)
S3	16903	S PLATE? ? OR COILSPRING? ? OR COIL??? OR SPRING? ? OR SWITCH?? OR RELAY? ? OR (SEND??? OR SENT) (3N) (SIGNAL OR MESSAGE) OR DEMODULATOR OR CARRIER() SIGNAL OR ACTUATOR?
S4	3	S (FIFTHWHEEL OR SEMI OR SEMI() TRAILER OR (TOW??? OR TRAILER? ? OR TRACTOR OR TRUCK OR LORRY? ? OR LORRIES OR TRANSPORTATION OR CARAVAN OR TRAIN)) () (HITCH? ? OR ASSEMBLY? ? OR ASSEMBLIES OR HOOK() UP OR HOOKUP? ? OR BAR? ? OR RECEPTACLE? ? OR SLOT? ? OR COUPLER OR COUPLING OR PIN OR BOLT OR KINGPIN OR HEADPIN)
S5	48	S S2 AND S3
S6	0	S S5 AND S4
S7	0	S S2 AND S4
S8	3	S S4
S9	3	RD (unique items)
S10	48	S S5
S11	48	RD (unique items)
S12	44	S S11 NOT PY>2003
S13	1	S S12 AND VEHICLE
S14	1	S S13 NOT S9

; show files

[File 98] General Sci Abs 1984-2008/Aug

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[File 235] AGROProjects 1990- 2006/Q4

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\*File 235: This file has temporarily ceased updating.

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9/3,K/1 (Item 1 from file: 98) [Links](#)

General Sci Abs

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5923155 H.w. Wilson Record Number: BGSA06161298



Fragile X mental retardation protein controls trailer hitch expression and cleavage furrow formation in *Drosophila* embryos

Monzo, Kate

Papoulas, Ophelia; Cantin, Greg T

Proceedings of the National Academy of Sciences of the United States of America v. 103 no48 (November 28 2006) p. 18160-5

Document Type: Feature Article

Special Features: Bibliographic Footnote Illustration ISSN: 0027-8424

Language: English

Country Of Publication: United States

Fragile X mental retardation protein controls trailer hitch expression and cleavage furrow formation in *Drosophila* embryos

9/3,K/2 (Item 2 from file: 98) [Links](#)

General Sci Abs

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5834114 H.w. Wilson Record Number: BGSA06123066

CAR-1 and Trailer hitch: driving mRNP granule function at the ER?

Decker, Carolyn J

Parker, Roy

The Journal of Cell Biology v. 173 no2 (April 24 2006) p. 159-63

Document Type: Feature Article

Special Features: Bibliography Illustration ISSN: 0021-9525

Language: English

Country Of Publication: United States

CAR-1 and Trailer hitch: driving mRNP granule function at the ER?

9/3,K/3 (Item 3 from file: 98) [Links](#)

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05230562 H.w. Wilson Record Number: BGSA03230562

Out of the warm little pond: prerequisites for an evolvable system.

Lederberg, Joshua

Endeavour (Oxford, England) ( Endeavour ) v. 27 no2 (June 2003) p. 44

Special Features: bibl f ISSN: 0160-9327

Language: English

Country Of Publication: United Kingdom

Abstract: ...as the illustration of template-directed assembly with ligation of oligopeptides, may encourage experimentation toward assemblies that tend to extract one monomer at a time, preferentially, from a feasible soup.

14/3,K/1 (Item 1 from file: 98) [Links](#)  
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6106884 H.w. Wilson Record Number: BGSA01143651  
Routing packets with light

Blumenthal, Daniel J  
Scientific American v. 284 no1 (January 2001) p. 96-9  
Document Type: Feature Article  
Special Features: Illustration ISSN: 0036-8733  
Language: English  
Country Of Publication: United States

Abstract: ...on a project called the Optical Internet, which will provide a high-speed mail delivery vehicle to transfer units of data called packets to a point near a recipient. Eventually, network engineers are planning to use light waves to process light waves and optical switches that can redirect packets at superfast speeds. Although the technology is still in its infancy...